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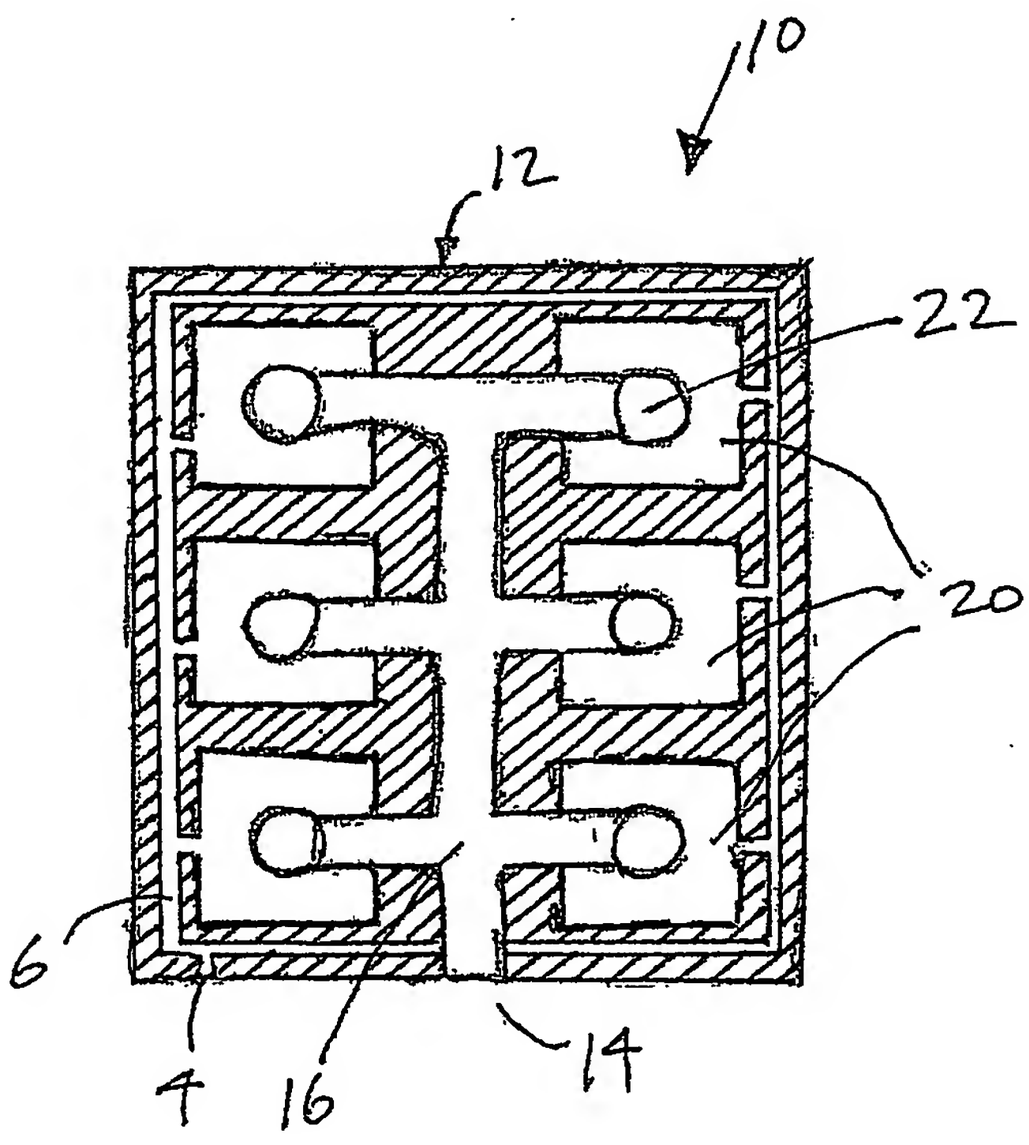
(54) Title: CONFIGURABLE MICROFLUIDIC SUBSTRATE ASSEMBLY



(57) Abstract: A microfluidic substrate assembly includes a substrate body having at least one fluid inlet port. At least one microscale fluid flow channel in the substrate is in fluid communication with the inlet port for transport of a fluid to be tested. The substrate body also has a plurality of sockets, with each of one or sockets configured to receive an operative component. At least one socket is in communication with the microscale fluid flow channel.

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